

GPR 1880

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bhp
1500	50	Prime Power	1710	1368	1440	1931
		Stand-by Power	1880	1504	1583	2123

STANDARD SPECIFICATIONS

Engine

- PERKINS Heavy duty diesel engine
- Revolution: 1500 rpm
- Water cooled
- Tropical type radiator

Alternator

- VDE 0530 & IEC 34-1 standardizations
- Synchron type brushless
- Automatic voltage regulation (AVR)
- Overload acceptance: 110% for 1 hour, 150% for 2 minutes
- Short circuit resistance: 300 for 10 seconds
- Insulation class: H
- Insulation resistance: 1800 VAC
- Voltage: 230/400 V three phase
- Voltage regulation: $\pm 0,5\%$
- Protection class: IP23
- Power factor (cos ϕ): 0,8
- Frequency: 50 Hz

Manuel Control Panel

- Microprocessed Electronic Control Panel
- Relays
- Protection fuses
- Thermic magnetic circuit breaker (TMS) 3-pole
- Emergency stop button

Automatic Control Panel

- Microprocessed AMF Electronic Control Panel
- Protection fuses
- Battery charger
- Power Transfer (For ATS)
- Emergency stop button

Chassis

- Mounted on the steel base chassis
- Elastic vibration dampers between engine and chassis
- Chassis integrated fuel tank
- Dial type mechanical fuel indicator

Canopy

- Easy lifting and moving
- Metal parts are coated with electrostatic polyester coated, powder painted
- Thermally insulated exhaust system
- Acoustic insulation with rot*proof, moisture-repellent and non-flammable material (per DIN 4102 A2)



ENGINE

Make	PERKINS
Model	4012-46TAG3A
Number of Cylinder	12
Cylinder arrangement	60°V
Aspiration	Turbocharged AAC*
Combustion system	Direct Injection
Compression ratio	13.6:1
Bore and Stroke	mm 160 x 190
Displacement	lt 45,842
Cooling System	Water Cooled
Total coolant capacity	lt 177
Total lubrication	lt 210
Governor Type	Electronic Governor
Electric System	24 VDC

Fuel Consumption %50 Loaded	lt/h	187
Fuel Consumption %75 Loaded	lt/h	275
Fuel Consumption % 100 Loaded	lt/h	350
Fuel Tank Cap. Open (canopy)	lt	3000

DIMENSIONS

Width w/o Canopy (w/canopy)	mm	2000 (2438)
Length w/o Canopy (w/canopy)	mm	4650 (9125)
Height w/o Canopy (w/canopy)	mm	2410 (3710)
Weight w/o Canopy (w/canopy)	kg	12036 (18600)

TECHNICAL SPECIFICATIONS